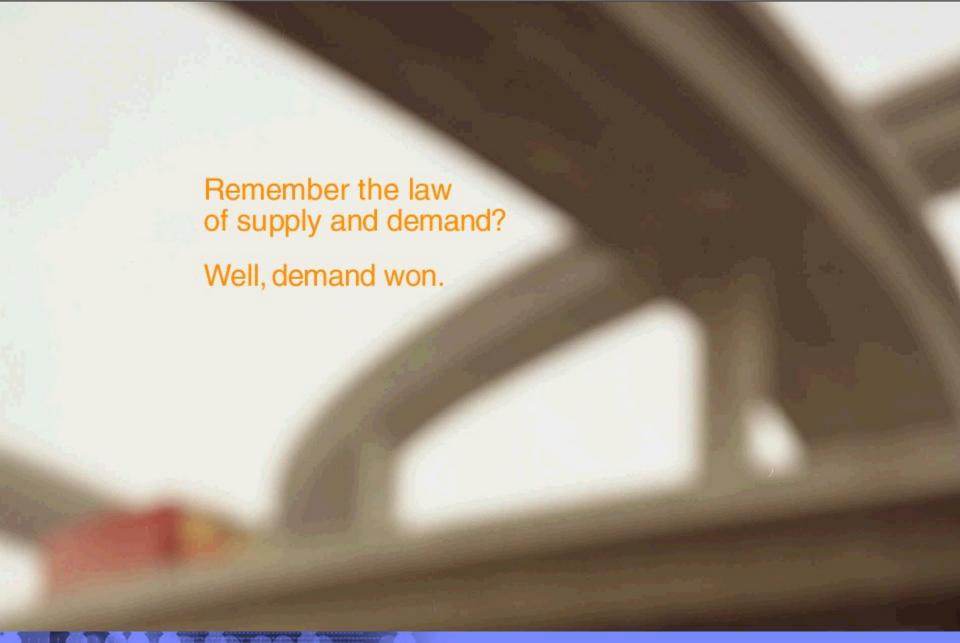




Accessing Secure eBusiness Systems from NMCI









e business on demand...

An enterprise whose business processes – integrated end-to-end across the company and with key partners, suppliers and customers – can respond with flexibility and speed to any customer demand, market opportunity or threat



Constantly Changing Environment

Requires constant improvement in business design and business process

Productivity

Governance

Economy

Capital and Asset Utilization

Security Threats

Pricing Pressures

Customer Preferences

business

on demand business

technology

Open Movement

Commoditization

Autonomic Computing

Grids

Web Services

Clusters

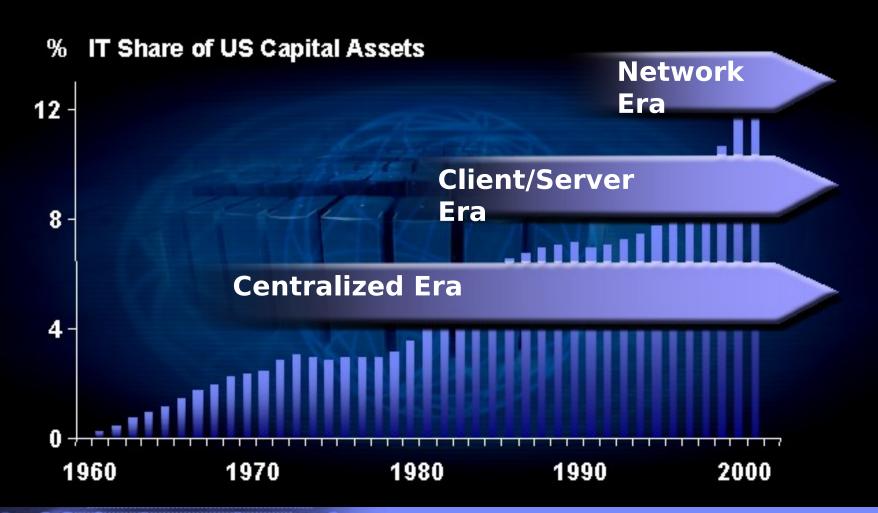
Blades

Virtualization

Standards



The evolution of computing





Evolution of Business and Computing

Organizational Productivity

Personal and Departmental Productivity

Administrative Productivity

Mainframe

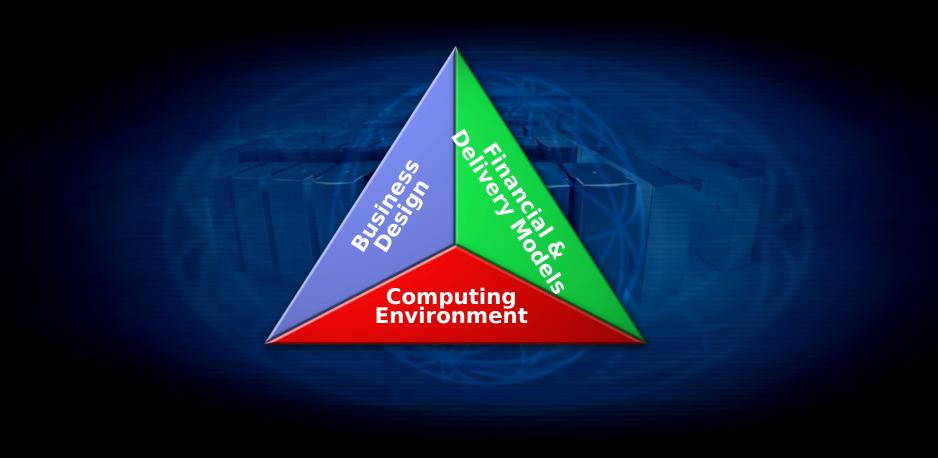
Client / Server

Network

On Demand

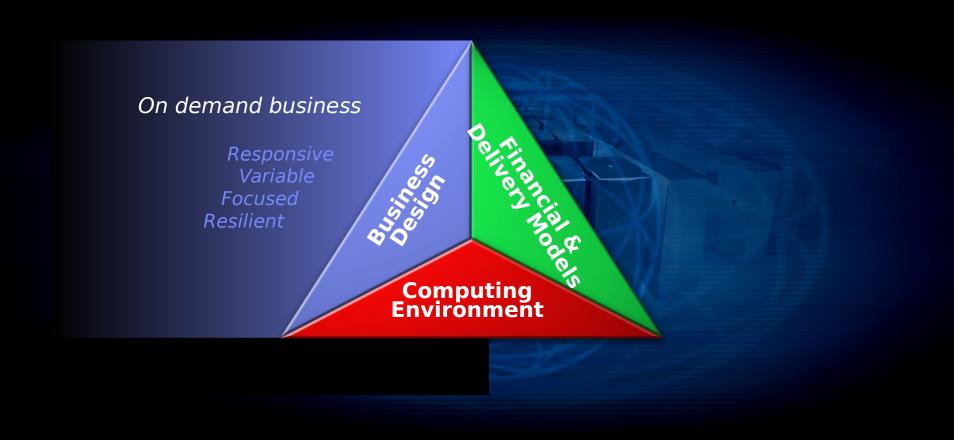


On Demand Business



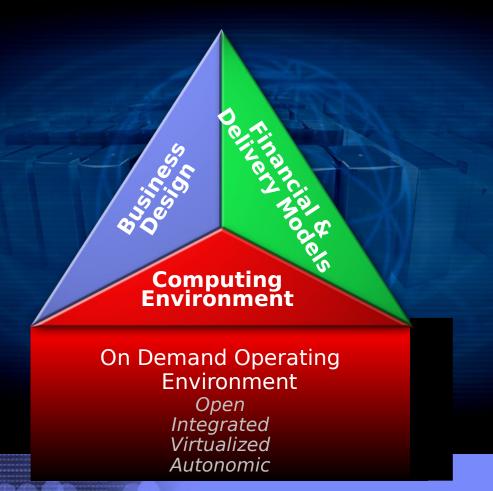


On Demand Business



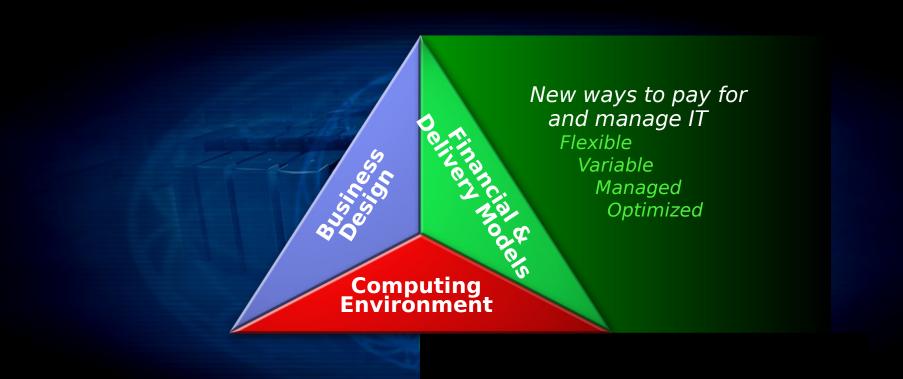


On Demand Business Requires an On Demand Operating Environment



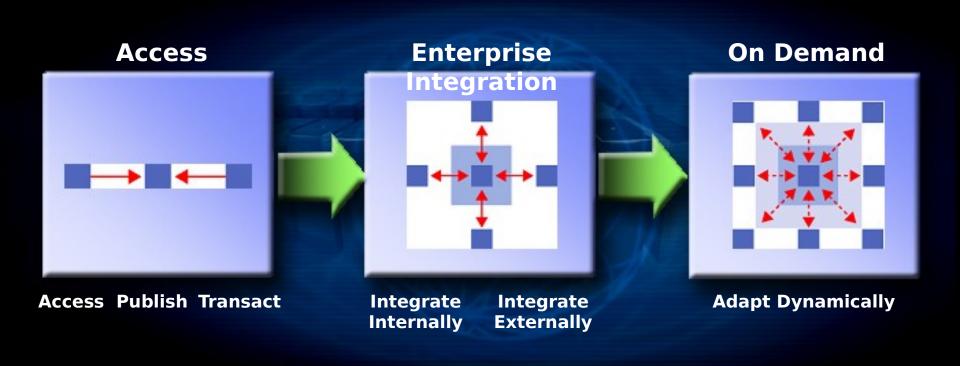


On Demand Business Redefines Financial and Delivery Models





Stages of e-business adoption





Navy One Touch Support

A secure ebusiness system

Accessed from NMCI



Single Destination for Logistics Rules and Tools





Commercially Hosted - DITSCAP Certified www.onetouch.navy.mil

- A Technical Architecture that:
 - Is Scalable, Highly Reliable and Open
 - Is Flexible and Extensible to support integration and additional interfaces
 - Complies with Navy and DoD Security Requirements
 - Is a modular based architecture
 - incorporating relevant Task Force Web (TFW) web enabled Navy architecture guidance as appropriate
 - Complies with NMCI issued guidelines



Navy One Touch Support

- A Web enabled eBusiness system
- Supply side applications and information
 - Supply chain information
 - Product availability
 - Buy products
 - Relevant logistics rules
 - Region specific support information
- Unifying registration of users of multiple legacy systems at a single point of entry



Users transition to NMCI from legacy domains such as fisc.navy.mil. They just point their enterprise approved browser to onetouch .navy.mil, enter their user ID and password, and continue to conduct ebusiness as usual.

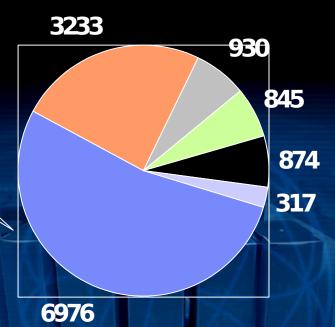




OTS User Population Profile

May, 2003

Includes 2836 users registered from 275 afloat units* (the 2836 figure does not include embarked staff & squadrons or other deployed units).



- NavyMil NavyCiv
- OthDoD
- **DoDCont**
- Other

- The Other DoD category includes users that have selected the following categories:
 - Army: 22
 - Coast Guard: 74
 - DoD Civilian: 465
 - DoD Foreign National: 121
- Reservist: 79
 - Air Force: 85
- The users in the USMC Category are primarily military (844 of the 930 total)
- The Other count includes the 273 users that selected the Other category as well as 44 users that selected the OtherFedGovt category when they registered.
- * There an additional 13 USNS Afloat units with 35 Navy Civilian users. Total Afloat units with OTS users is 288.



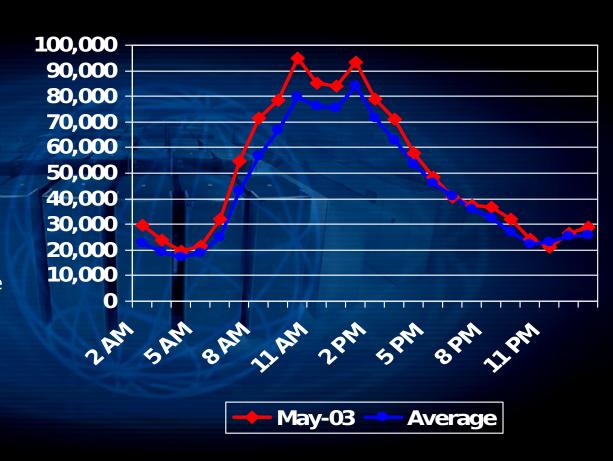
Doing a little eBusiness

- First year of operations for OTS v3.2
 - 63 million hits
 - 108 billion byes transferred
 - 920 thousand logins
 - 12 million page views
 - 2 million query transactions
 - 1 million MILSTRIP transactions
 - 13,000 registered users



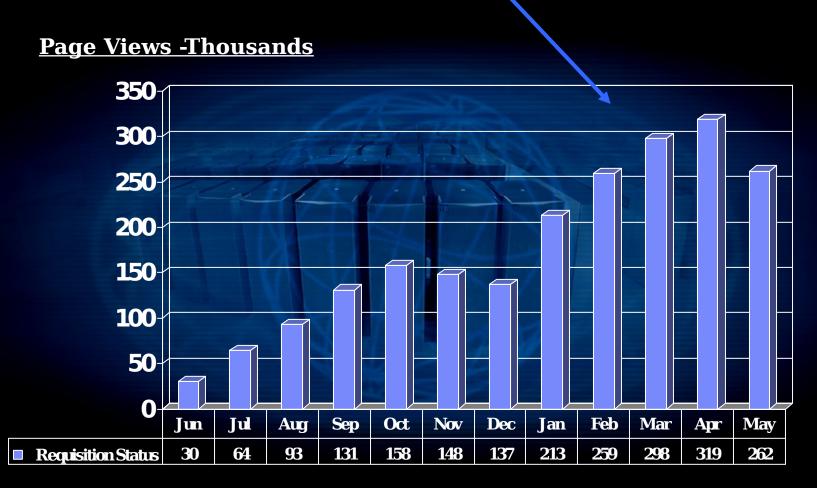
What they need, when they need it - On Demand - page views served up by hour

- Availability (last 90 days)
 - 99.97% Available as % of Scheduled Time
 - 99.55% Total System Availability
 - 0.42% Scheduled Maintenance
 - 0.025 Unplanned Downtime (30 minutes)





Demand for requisition status increased during Operation Iraqi Freedom





Access Management

- User Registration
 - DoD Employee Status Verification
 - If not:
 - Approval Authority Contact Information Request
 - Business Functional Approval Work Flow
 - Sponsor Letter Requirements
- User and User Profile Management
 - Approving/Disapproving Requests
 - Request Additional Business Functions
 - Update Contact Information
 - Reset Password



Core Supply Chain Functions

- Applications
 - Technical Screening, Stock Check, Requisition Input, Requisition Status, File Text Upload, Batch Query
- Integrated functions where possible
 - Example: From Req Status Return
 - Detail History
 - Ship Status Details
 - Follow-up, Modify, Cancel, or Order Again
 - Technical Screen Item
- Access over 30 data sources



Integrated business functions... an illustration that starts with the basic requisition status results

1	STANDARD	NON-STANI	DARD	1					HELP	
i	ntermediate Se	lection - Stand	lard Re	quisitio	n Stat	tus				
F	Results for Document # R205503090Y298									
	Requisition#	NSN	Status	Last Holder	Qty	Priority	Supply Action Date	Mode of Shipment	Document Id	
	⊙ R205503090Y298	5960000739277			2	02	04/11/2003		DRA	
0	Code Description (roll over code to view description)									
П	Requisition #: R205503090Y298 - Requisition Document Number									
Î										
Г	EXPORT RESULTS									
r	EM ON RECOEIG									

SHIP STATUS

ORDER AGAIN

MODIFY ORDER

							-	1		
										HELP
Requisition Status - History										
DoolD	TOF DOC Suffix	:ument # H - RI (From)	205503090Y298 NIIN		Status	RI (To)	LHA	Action Date	Ship Date	Mode
DRA			000739277	2		S9E		04/11/2003		
AS1		NZZ	000739277	2				04/02/2003	04/02/2003	J
AE8		SCF	000739277	2	ва		SCF	04/01/2003	04/02/2003	
AE8		SCF	000739277	2				04/01/2003		

TRANSLATE

CANCEL ORDER



Drilling down into the supply chain

HISTORY TRANSLATE FOLLOW-UP MODIFY ORDER SHIP STATUS

MILSTRIP Shipment Status

CANCEL ORDER

RDER AGAIN

Requisition Document #: R205503090Y298

Requested Qty: 2

Shipped Qty:

Cancelled Qty:

Denied Qty: 0

Date Received: 04/01/2003

Date Shipped: 04/02/2003

Status: SHIPPED

Pepot: DDYJ YOKOSUKA JAPANAP 96349-1500

Ship To: R20550

Mode of Shipment: SMALL PARCEL CARRIER

Carrier: DHL AIRWAYS

Tracking #: DHL 2345124644

FCN: R205503090Y298XXX

GBL:



And a little deeper look - shipper scan

activity

 Date Received:
 04/01/2003

 Date Shipped:
 04/02/2003

 Status:
 SHIPPED

 Depot:
 DDYJ YOKOSUKA JAPANAP 96349-1500

 Ship To:
 R20550

 Mode of Shipment:
 SMALL PARCEL CARRIER

 Carrier:
 DHL AIRWAYS

 Tracking #:
 DHL 2345124644

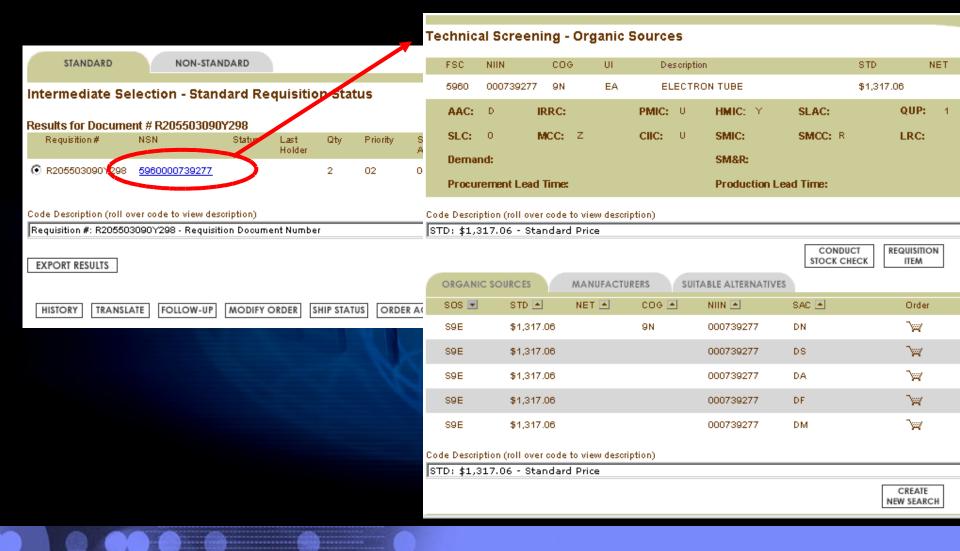
R205503090Y298XXX



RETURN

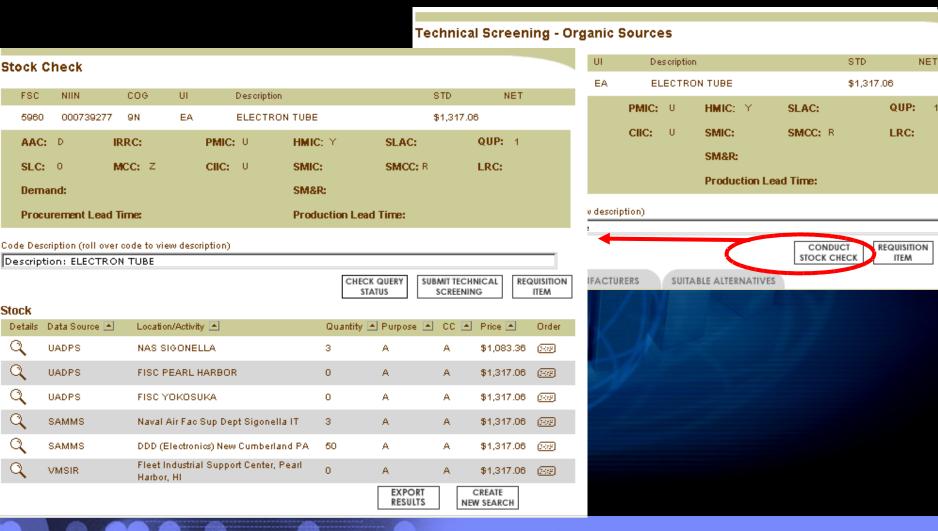


Hot link to catalog information





From catalog information to asset visibility





enterprise integration:

a stop along the way to





Promises and Problems

The Promise of I/T

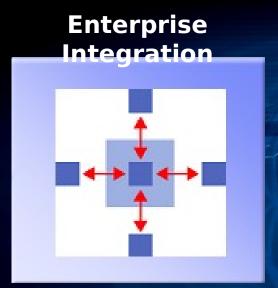
- Deploying new capabilities
- Cost reduction
- Efficiency
- Security and operational resiliency
- Workforce productivity

The Problem with I/T

- Time to value
- Managing complexity and integration
- ROI
- Constrained resources
- Utilization of existing infrastructure



The problem to be solved

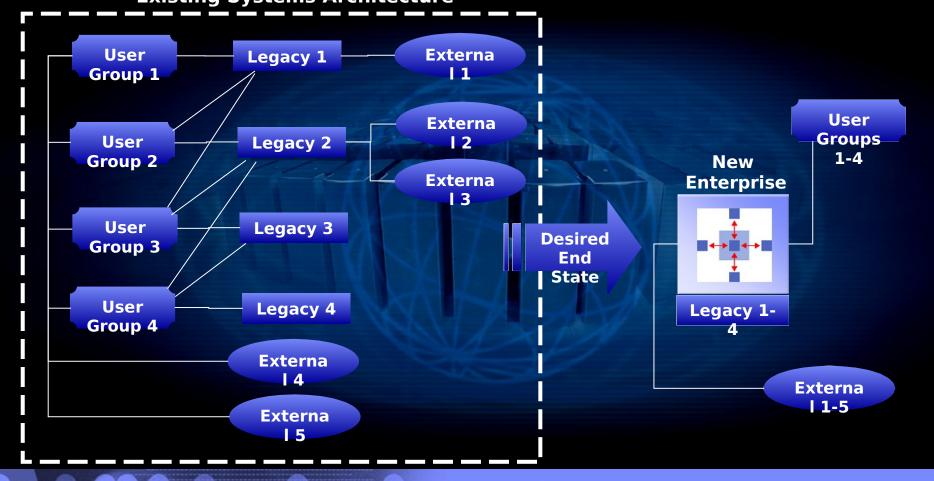


- Integrate Internally
- Integrate Externally

- The client server legacy
 - Stovepipe systems
 - Data access silos
- Large scale enterprise integration initiatives: data warehousing, ERP, message brokering
 - Technical complexity
 - High risk
 - Potential for interim loss of user access
 - or costly parallel operations
 - Length of time to realization

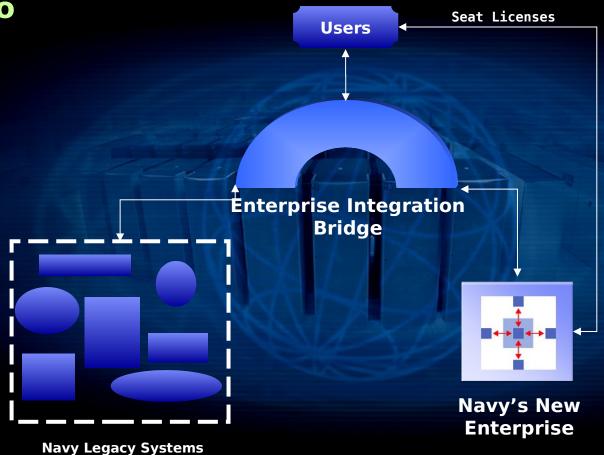


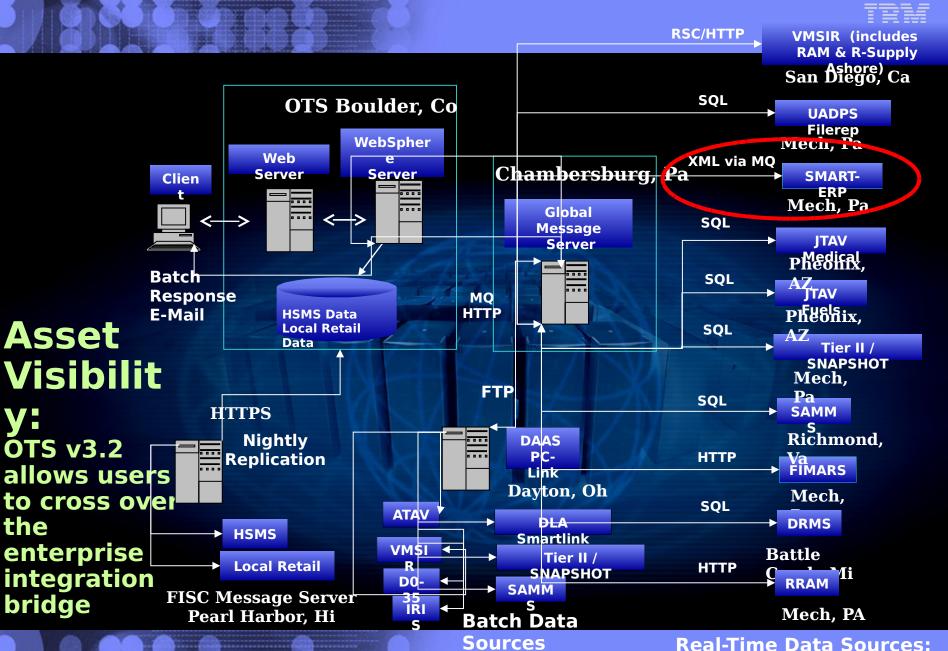
The desired end state: Enterprise Integration Systems Architecture





As "legacy" data moves into the Enterprise system users need access to both legacy and new enterprise data so... you need a bridge between the two

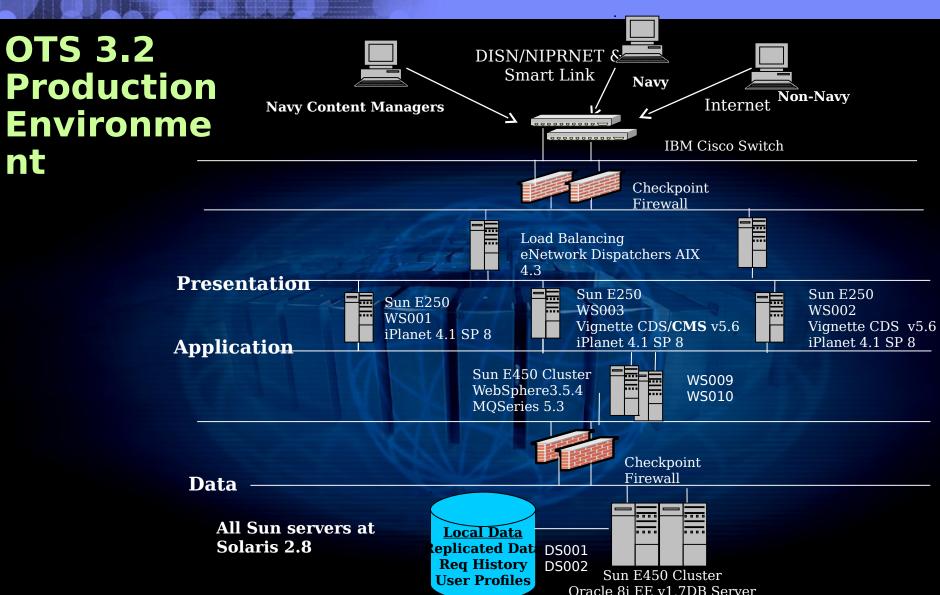












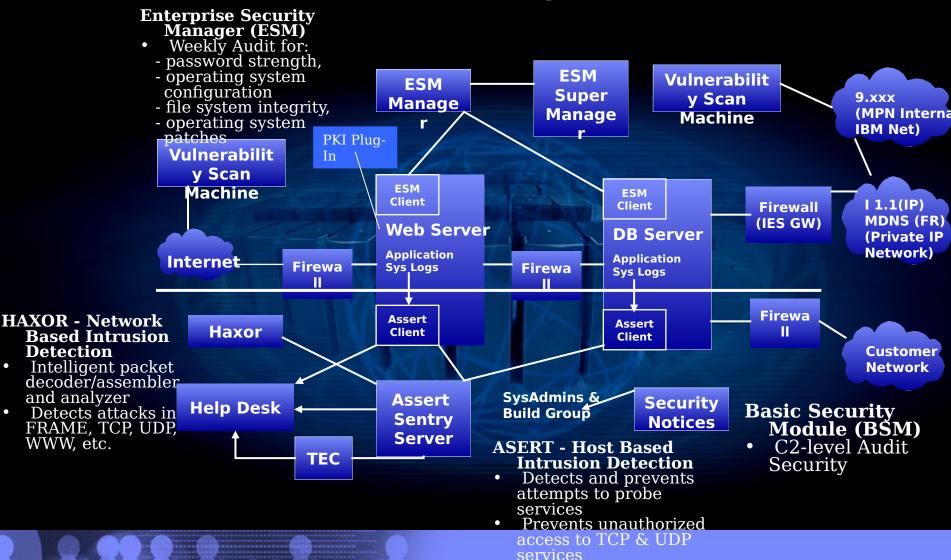


Security Architect

- DITSCAP Certified
 - BSM installed
 - Audit Module that meets the C2-level security specifications as defined in the NCSC `Orange Book' required for government customers.
- Network Intrusion Detection
 - Proactive security policy
- TCP/IP Port Vulnerability Scanning
 - Network Service Auditor (NSA)
 - Port Scan testing: weekly on all servers
 - Looking for trends at the site level
- ISP providers limit traffic if a Denial of Service attack detected
- DoD supplied server certificates for SSL support
 - Browsers and web service integration
- Application level security
 - USERID/Password
 - OTS function authority based on user registration and approval process



Security Architecture

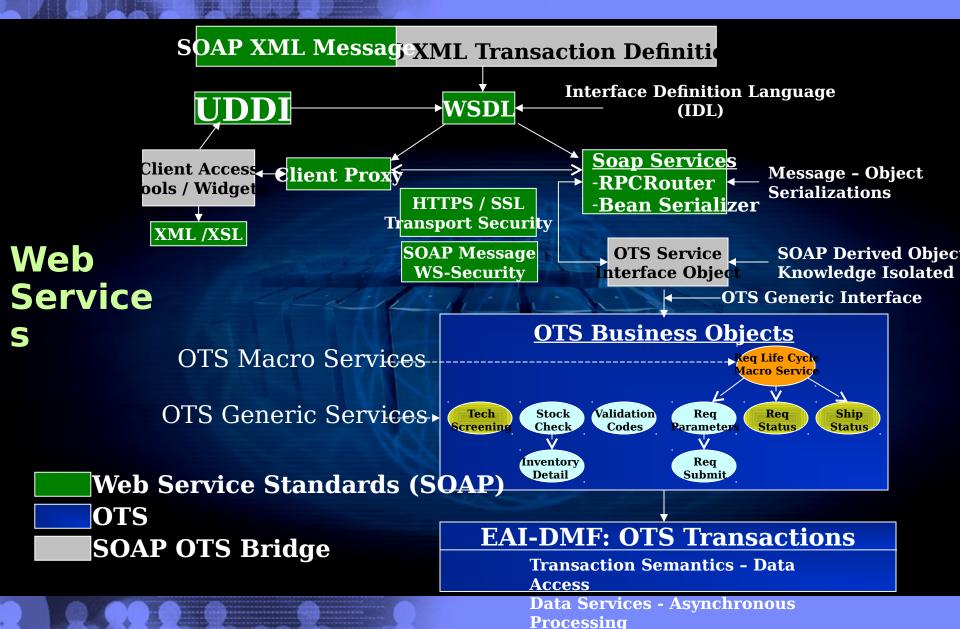




Web Service Architecture for OTS Services

- Based on Industry Standards
- Platform and implementation neutral to provide true interoperability in a heterogeneous environment
- Reduces complexity by encapsulation
- Enables Interoperability by providing the ability to act as a wrapper for the supply side process to legacy applications
- Optimized for Flexibility in order to adapt to Industry and Navy Standards
- Reuse of current validation / definition, application, and data access components
- Well Defined Component-based Architecture separates SOAP middleware, service interface, business logic, and transaction semantics
- Implementation based on SOAP kernel adapting to new SOAP features





Accessing Secure eBusiness Systems from NMCI NMCI Industry Symposium June 2003

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